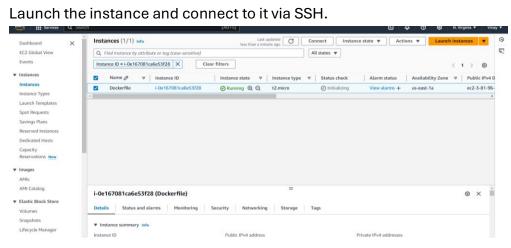
Docker Volumes creation

1. Launch an AWS EC2 Instance

- 1. Log in to the AWS Management Console.
- 2. Navigate to the **EC2 Dashboard** and launch an instance.
- 3. Choose an appropriate Amazon Machine Image (e.g., Amazon Linux, Ubuntu).
- 4. Select an instance type (e.g., t2.micro for small workloads).
- 5. Configure instance details and storage as needed.
- 6. Launch the instance and connect to it via SSH.



2. Install Docker on the EC2 Instance

- 1. Switch to Sudo user
- Update the package manager and install Docker and Start Docker

```
ystem restart required ***
login: Mon Nov 18 15:27:48 2024 from 18.206.107.27
usip:172-31-47-111:-$ system odo su
ip:172-31-47-111:-$ system coll status docker
ip:172-31-47-111:-$ system coll status docker
ng: The unit file, source configuration file or drop-ins of docker.service changed on disk. Run 'systemctl daemon-reload' to reload units.
ker.service - Docker Application Container Engine
Loanded: loaded (/usc/llp/system/docker.service; enabled)
Retive: setzive (running) since Mon 2024-11-18 14:40:43 UTC; 16h ago
peredity: * docker.secker.
                   14:40:43 ip-172-31-47-111 dockerd[2178]; time="2024-11-18T14:40:43.9411398752" level-info msg="API listen on /run/docker.sock"
14:40:43 ip-172-31-47-111 systems[1]: Started docker.service - Docker Application Container Engine.
14:40:43 ip-172-31-47-111 systems[1]: Started docker.service - Docker Application Container Engine.
15:34:19 ip-172-31-47-110 dockerd[2178]: time="2024-11-18T15:43:19.29740305892" level-info may="sporting event" container=97b4accep98bf3clb53764f083089.
16:23:01 ip-172-31-47-111 dockerd[2178]: time="2024-11-18T16:23:01.1370327672" level-info may="sporting event" container=97b4accep98bf3clb53764f083089.
16:23:01 ip-172-31-47-111 dockerd[2178]: time="2024-11-18T16:23:01.1518161312" level-warning may="failed to close stdin: task 97b4accep98bf3clb53764f083089.
16:25:01 ip-172-31-47-111 dockerd[2178]: time="2024-11-18T16:23:01.518161312" level-warning may="failed to close stdin: task 97b4accep98bf3clb53764f083089.
16:36:42 ip-172-31-47-111 dockerd[2178]: time="2024-11-18T16:25:30.55658108622" level-error msg="Kror setting up exec command in container: or contai
```

3. Create and Manage Docker Volumes

Docker volumes are used to persist data generated by and used by Docker containers.

- 1. Create a Volume
- 2. List Volumes
- 3.Inspect a volume
- 4. Use a Volume in a Container

```
Unable to find image 'httpd:latest' locally
latest: Pulling from library/httpd
2dd29be73a6: Already exists
d675ed392a91: Pull complete
4fdf70oef4: Pull complete
0062038102c9: Pull complete
0062038102c9
0062038102c9: Pull complete
0062038102c9: Pull complete
0062038102c9
006203
```

